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**ACHIEVING ACADEMIC LEADERSHIP THROUGH TEACHING MATHEMATICAL METHODS IN ECONOMICS AND FINANCE**

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## [Achieving academic leadership through teaching mathematical methods in economics and finance](#)

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Academic leadership, mathematical methods, higher education, educational approaches

**Abstract**

This paper is devoted to ensuring the achievement of academic leadership on the market of educational services and for the sustainable development of higher education in the future. It is quite common that teachers' optimization problems with

education in the future. It is quite common that various optimization problems with linear constraints on variables often arise in economics and finance. We present an educational method (in fact, a blueprint of a course) which explains financial and economic problems taking into account modern achievements in mathematical computer modeling. As an example, we outline an educational approach which teaches portfolio investments theory using mathematical optimization methods. The educational approach proposed and formulated in this paper allows us to provide the market with professionals, who possess fluent knowledge of the methods used for investing and construction of an optimal securities portfolio, and, most importantly, are capable of further self-development of their skills and knowledge in this field.

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